



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08047943 A**(43) Date of publication of application: **20.02.1996**(51) Int. Cl. **B29C 45/16**

B29C 45/14, C08L 83/04

// B29K 83:00, B29K101:12, B29L 9:00

(21) Application number: **06184833**(22) Date of filing: **05.08.1994**(71) Applicant: **TOSHIBA SILICONE CO LTD**(72) Inventor: **UENO HIDEKI
SAWAMURA TATSUHIKO**(54) **COMPOSITE MOLDING METHOD**

dimensional precision can be obtained efficiently.

COPYRIGHT: (C)1996,JPO

(57) Abstract:

PURPOSE: To obtain a composite efficiently without using a mold rotating device by inserting, in between female and male molds, an other mold piece which forms a cavity for second injection of a liquid silicone rubber composition with a molded body.

CONSTITUTION: A male mold 21 and a female mold 23 are assembled and attached to a two-color injection molding machine and clamped. A melted thermoplastic resin is injected into a formed cavity 31 from a first injection section 11, so that a thermoplastic resin molded body 41 is obtained. Next, another mold piece 22 is inserted so as to form a second injection cavity 42 in between a recess 24 of the mold piece 22 and the molded body 41 and a liquid silicone rubber composition is injected into the cavity 42 from a second injection section 12. The injected liquid silicone rubber is cured. The curing temperature is set to 60-250°C and below a heat distortion temperature of the thermoplastic resin. Thus, a composite consisting of the thermoplastic resin and the silicone rubber having excellent

